

**STATE OF WASHINGTON
DEPARTMENT OF FISH & WILDLIFE
LANDS AND RESTORATION SERVICES PROGRAM
Salmonid Screening, Habitat Enhancement &
Restoration Division (SSHEAR)**

OFF-CHANNEL SITE INVENTORY DATA

General Information:

Region: North Coast	Observer(s): Powell
River System: Sol Duc	Date: 3/20/98 - 4/2/98
Site Identifier: S-0308	WRIA: 20.0308
River Mile Location: 0.86	RB/LB: LB
Local Name: Maxfield Creek	Trib. to: 20.0307
Legal Description: SW¼ Sec15 T29N R13W	County: Clallam
Habitat Type: Lower valley wall tributary	

Landowner: (X) Federal (X) State () County () Other Government (X) Private

- Rayonier Timber Operating Co.
- Bloedel Timber
- Hancock Timber
- Washington Dept of Natural Resources
- National Forest

Directions to site:

The lower reach can be accessed starting at Forks (Tillicum Park), drive north on Highway 101 for 5.3 miles (mp 197). Take a right on Maxfield Road and follow 0.65 mi to the logging road gate. A key to the gate can be obtained at the Rayonier Timber Office or DNR. Continue straight (crossing Shuwah Cr) for 0.3 mi, there will be a road to the right with a gate (key can be obtained from the Rayonier Timber Office). Go through the gate and follow road ~0.5 mi, there will be a culvert crossing. After the culvert crossing, the road will go uphill - park at the top of the hill. Maxfield Creek is directly SW. The upper reach can be accessed by starting at Forks (Tillicum Park), drive north on Highway 101 for 5.3 miles (MP 197). Take a right on Maxfield Road and follow 0.65 mi to the logging road gate. A key to the gate can be obtained at the Rayonier Timber Office or DNR. Continue straight (crossing Shuwah Cr.) for 0.4 mi and turn to the right. Continue following the road for 0.3 mi. At this point, there will be a road to the left going up a steep hill - take this road. Follow the road for 1.55 mi. There will be another uphill road to the right. Follow the uphill road 1.2 mi - at this point, there should be a road to the left and the main road may be blocked by downed trees. Park here and walk due south.

Site Overview:

Maxfield Creek is a major third order tributary to Shuwah Creek. It offers limited spawning and rearing opportunities for anadromous fish due to natural constrictions. This stream contains some areas with suitable gravel from RM 0.0 to 1.2. Upstream of RM 1.2, the stream flows through sections of bedrock, and boulders become prominent. The cascades formed by the bedrock at RM 1.3 may be anadromous barriers at various flows. At RM 2.3, there is large (> 30 feet) undocumented waterfall. There is one major tributary (20.0309) associated with Maxfield Creek that is located in the lower reach. This tributary has a moderate gradient but the flows are intermittent and it has been known to trap fish.

Habitat Information:

Water source: Tributaries and terrace runoff

Intermittent/year-around:

- Year around

Estimated flows (cfs): 10+

Water temperatures: 7.0° C

Adjacent stream temperature: 7.0° C (20.0307)

Other water observations: Water is clear

Site area measurements: ☐ Indirect ☐ Direct ☒ Combination

Widths: Channel- 2 m -5 m Ponds- NA Wetlands- NA

Depths: Channel- varies Ponds- NA Wetlands- NA

Total length (includes ponds and wetlands): 4385+ m (trout habitat above end point)

Total existing habitat area (est.): 15,345+ m²

- Tributaries total existing habitat area (est.): 4930+ m²

Spawning Habitat conditions: ☐ None ☐ Poor ☒ Fair ☐ Good ☐ Excellent

Describe spawning habitat:

- There are sections of suitable spawning material between RM 0.0 to RM 1.2
- The Quileute Tribe conducts spawner surveys from RM 0.0 to RM 1.3.
- Upstream of RM 1.3 (possible barrier), the channel has large areas of bedrock with boulders.

Rearing habitat conditions: ☐ None ☒ Poor ☐ Fair ☐ Good ☐ Excellent

Describe pond and other rearing habitat:

- Intensive timber harvest has taken place within the mid to lower reach of this watershed.
- This stream appears to have a moderate (to less) amount of LWD in the lower reach.
- The mid and upper reaches have sections that are incised and contain debris jams.
- Various constrictions associated with this stream would limit juvenile coho use to the lower reach.
- The RMZ is a varying mix of conifer and alder.
- This stream appears to offer better summer rearing.

Describe inaccessible habitat:

- The stream encounters a bedrock substrate at RM 1.2. The bedrock forms cascades which may be barriers to anadromous fish at various flows.
- Areas of bedrock and boulder continue upstream to RM 2.3 where there is a > 30 foot waterfall.

Describe wetland: ☐ Bog ☐ Marsh ☐ Scrub-shrub Wetland ☐ Forested Wetland

Flooding potential: ☒ Low ☐ Medium ☐ High

Fish Information:

Site entry condition to (20.0307): ☐ Poor ☐ Fair ☒ Good

- Open egress in Shuwah Creek.

Coho access and use:

Juvenile- ☐ Unknown ☐ None ☐ Poor ☒ Fair ☐ Good

Adult- ☐ Unknown ☐ None ☐ Poor ☒ Fair ☐ Good

- The Quileute Tribe conducts spawner surveys from RM 0.0 to RM 1.3.

Other species access and use: ☐ Chum ☐ Pink ☐ Sockeye ☐ Chinook ☒ Trout

- Trout utilize this stream.

Habitat Improvements:

Enhancement opportunities:

Additional Comments:

Attachments Available:

Contact respective SSHEAR habitat biologist for the following checked items:

☒ Aerials

☒ Sketch

☒ Maps

☐ Culvert Report

☐ Other references

☒ Spawning surveys

☐ Juvenile trapping

☐ Fishway Report

RIVER: SOL DUC RIVER

AREA: S-L3

AREA MAP

9/96

